

Geologist



Tom Newman, CPG, RG  
Chief Geologist  
Holcim (US) Inc.  
1405 Parkwood Drive  
Ft Collins, CO 80525-1934

Phone 970-215-6110  
tom.newman@holcim.com  
www.holcim.com/us

0003

m/029/0001  
cc: Leslie

June 4, 2009

To:

Paul Baker  
State of Utah  
Department of Natural Resources  
Division of Oil, Gas and Mining  
Minerals Regulatory Program  
1594 W. Temple, Suite 1210  
Box 145801  
Salt Lake City, UT  
84114-5801

**Subject: Devil's Slide, Utah – Notice for Geotechnical Studies – M/046/001**

Dear Mr Baker,

Please find attached four Drilling Forms for the Holcim (US) Inc. Devil's Slide, Utah Quarry.

All four holes were reclaimed per R647-2-018.

All four holes are on private property within the active quarry area.

All four holes will be consumed by quarry mining in the near future.

None of the four holes encountered ground water.

As always your efforts are most appreciated.

Sincerely,

A handwritten signature in cursive script that reads 'Tom Newman'.

Tom Newman, GPG, RG  
Holcim Corporate Geologist

Cc:

Ken George: Devil's Slide Quarry Manager

RECEIVED

JUN 08 2009

DIV. OF OIL, GAS & MINING

0003

Permit #: E/ 029 / 001

Project Name: Devils Slide, UT Quarry

## Drill Hole Abandonment Report for Bond Release

Drill Hole Number (corresponding to permit map): GT-3

Drill Hole Location (UTM's): Utah State Plane, US Feet, NAD83, NAVD88, Geiod 99 N3,548,835 E1,628,404 Elev. 5,604

Date of Abandonment: 5-13-09

Drill Hole Abandonment Details: (Please include a description of drill hole completion (depth of hole, etc.), any problems encountered, amount of casing removed, type of abandonment completed, and any other pertinent information)

HQ Size Core Hole. Drill Hole to be consumed by mining.

Started in bedrock of competent limestone.

Core Hole encountered competent limestone and shale. No collapse, 100% drill water return.

No casing.

Filled core hole from bottom of hole to collar with cement and bentonite chips (Neat Cement).

Depth (feet)

Abandonment Material Details

<u>From</u>	<u>To</u>	<u>Abandonment Material</u>	<u>Quantity</u> (e.g., cubic yards, #'s)	<u>Grout Weight (lbs/gal, #bag mix, gal/sack)</u>
<u>0</u>	<u>350</u>	<u>Cement and Bentonite Clay Chips</u>	<u>1.8</u>	<u>94 lbs per Ft3</u>

### **Complete this portion if Water Encountered**

<u>Drill Hole Number</u> (Corresponding to permit map)	<u>Depth to water Strata</u>	<u>Name of Formation</u>	<u>Rate of water flow</u> (GPM)	<u>Estimated water quality</u>
<u>No water encountered</u>				

A Professional Registered Geologist in the State of Utah or a Certified Professional Geologist with the AIPG or an officer of the company registered to do business in the State of Utah must sign this form.

I certify that the reported information, statements, and/or documentation on this form are true and correct to the best of my knowledge and belief.

Name Tom Newman

PRG License No. 2250

Signature Tom Newman

Date 6-4-09

Permit #: E/ 029 / 001

Project Name: Devils Slide, UT Quarry

## Drill Hole Abandonment Report for Bond Release

Drill Hole Number (corresponding to permit map): GT-2

Drill Hole Location (UTM's): Utah State Plane, US Feet, NAD83, NAVD88, Geiod 99 N3,550,078 E 1,628,235 Elev. 5,892

Date of Abandonment: 6-1-09

Drill Hole Abandonment Details: (Please include a description of drill hole completion (depth of hole, etc.), any problems encountered, amount of casing removed, type of abandonment completed, and any other pertinent information)

HQ Size Core Hole. Drill Hole to be consumed by mining.

Started in bedrock of competent limestone.

Core Hole encountered competent limestone and shale. No collapse, 100% drill water return.

No casing.

Filled core from bottom of hole to collar with cement and bentonite chips (Neat Cement).

Depth (feet)		Abandonment Material Details		
From	To	Abandonment Material	Quantity (e.g., cubic yards, #'s)	Grout Weight (lbs/gal, #bag mix, gal/sack)
0	874	Cement and Bentonite Clay Chips	4.4	94 lbs per Ft3

### **Complete this portion if Water Encountered**

Drill Hole Number (Corresponding to permit map)	Depth to water Strata	Name of Formation	Rate of water flow (GPM)	Estimated water quality
No water encountered				

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I certify that the reported information, statements, and/or documentation on this form are true and correct to the best of my knowledge and belief.

Name **Tom Newman**

PRG License No. 2250

Signature Tom Newman

Date **6-4-09**

Permit #: E/ 029 / 001  
Project Name: Devils Slide, UT Quarry

## Drill Hole Abandonment Report for Bond Release

Drill Hole Number (corresponding to permit map): GT-1

Drill Hole Location (UTM's): Utah State Plane, US Feet, NAD83, NAVD88, Geiod 99 N3,548,764 E1,627,827 Elev. 5,568

Date of Abandonment: 5-17-09

Drill Hole Abandonment Details: (Please include a description of drill hole completion (depth of hole, etc.), any problems encountered, amount of casing removed, type of abandonment completed, and any other pertinent information)

HQ Size Core Hole. Drill Hole to be consumed by mining.

Started in bedrock of competent limestone.

Core Hole encountered competent limestone and shale. No collapse, 100% drill water return.

No casing.

Filled core from bottom of hole to collar with cement and bentonite chips (Neat Cement).

Depth (feet)		Abandonment Material Details		
<u>From</u>	<u>To</u>	<u>Abandonment Material</u>	<u>Quantity</u> (e.g., cubic yards, #'s)	<u>Grout Weight</u> (lbs/gal, #bag mix, gal/sack)
<u>0</u>	<u>400</u>	<u>Cement and Bentonite Clay Chips</u>	<u>2.0</u>	<u>94 lbs per Ft<sup>3</sup></u>

### **Complete this portion if Water Encountered**

<u>Drill Hole Number</u> (Corresponding to permit map)	<u>Depth to water Strata</u>	<u>Name of Formation</u>	<u>Rate of water flow</u> (GPM)	<u>Estimated water quality</u>
<u>No water encountered</u>				

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I certify that the reported information, statements, and/or documentation on this form are true and correct to the best of my knowledge and belief.

Name Tom Newman

PRG License No. 2250

Signature Tom Newman

Date 6-4-09

Permit #: E/ 029 / 001  
Project Name: Devils Slide, UT Quarry

## Drill Hole Abandonment Report for Bond Release

Drill Hole Number (corresponding to permit map): GT-4

Drill Hole Location (UTM's): Utah State Plane, US Feet, NAD83, NAVD88, Geiod 99 N3,549,210 E1,628,286 Elev. 5,601

Date of Abandonment: 54-29-09

Drill Hole Abandonment Details: (Please include a description of drill hole completion (depth of hole, etc.), any problems encountered, amount of casing removed, type of abandonment completed, and any other pertinent information)

HQ Size Core Hole. Drill Hole to be consumed by mining.

Started in bedrock of competent limestone.

Core Hole encountered competent limestone and shale. No collapse, 100% drill water return.

No casing.

Filled core hole from bottom of hole to collar with cement and bentonite chips (Neat Cement).

### Depth (feet)

### Abandonment Material Details

<u>From</u>	<u>To</u>	<u>Abandonment Material</u>	<u>Quantity</u> (e.g., cubic yards, #'s)	<u>Grout Weight (lbs/gal, #bag mix, gal/sack)</u>
<u>0</u>	<u>550</u>	<u>Cement and Bentonite Clay Chips</u>	<u>2.8</u>	<u>94 lbs per Ft3</u>

### Complete this portion if Water Encountered

<u>Drill Hole Number</u> (Corresponding to permit map)	<u>Depth to water Strata</u>	<u>Name of Formation</u>	<u>Rate of water flow</u> (GPM)	<u>Estimated water quality</u>
<u>No water encountered</u>				

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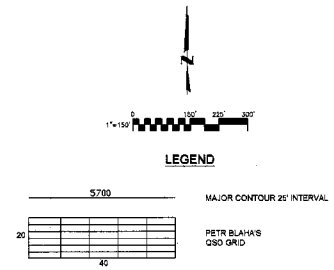
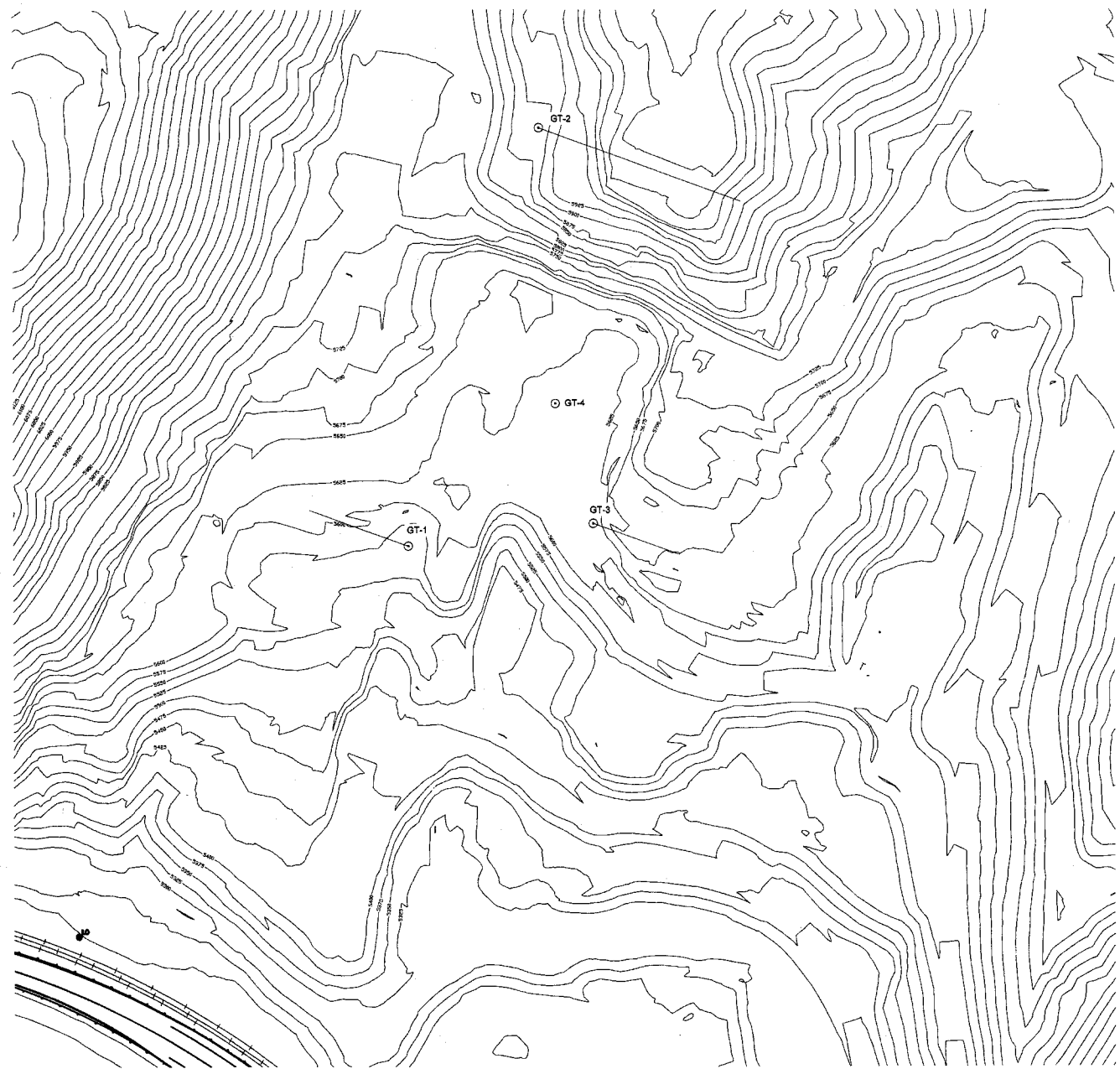
I certify that the reported information, statements, and/or documentation on this form are true and correct to the best of my knowledge and belief.

Name Tom Newman

PRG License No. 2250

Signature Tom Newman

Date 6-4-09



**MANUFACTURING PERFORMANCE CENTER**  
 1800 HWY 130  
 FLORENCE, COLORADO 81228  
 PHONE: 719-784-1402  
 FAX: 719-784-3470

DATE	BY	REVISION

HOLCIM INC. (U.S.)

DEVILS SLIDE, UTAH  
 QSO GRID



DATE: 02-05-2009  
 DESIGN: TOM REHMAN  
 DRAWING: JBLM AND  
 CHECKED: TOM REHMAN

SHEET NO.  
 C-1  
 OF 1